# clarion DRX9175R

RDS-EON FM-MPX/MW/LW RADIO
CD COMBINATION WITH
CD CHANGER CONTROL

COMBINE RADIO-CASSETTE RDS-
EON FM-MPX/PO/GO-LECTEUR
DE CD AVEC CONTROLEUR DE
CHANGEUR DE CD

RDS-EON UKW-MPX/MW/LW-
RADIO-CD-KOMBINATION MIT
CD-WECHSLER-STEUERUNG

Owner's Guide
Manuel de l'utilisateur
Bedienungsanleitung

R·D·S   COMPACT disc DIGITAL AUDIO   EON

## CAUTIONS:

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.

## CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OWNER'S MANUAL MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

## ADVARSEL

Denne mærking er anbragt udvendigt på apparatet og indikerer, at apparatet arbejder med laserstråler af klasse 1, hvilket betyder, at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utilladelig kraftig stråling.
APPARATET BØR KUN ÅBNES AF FAGFOLK MED SÆRLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLER! Indvendigt i apparatet er anbragt den her gengivne advarselsmækning, som advarer imod at foretage sådanne indgreb i apparatet, at man kan komme til at udsætte sig for laserstråling.

## OBS!

Apparaten innehåller laserkomponenten som avger laserstrålning överstigande gränsen för laserklass 1.

## VAROITUS

Suojakoteloa si saa avata. Laite sisältää laserdiodin, joka lähettää näkymätöntä silmille vaarallista lasersäteilyä.

DRX 9175R Clarion

12V ⊖ GROUND

| LW | 153-279kHz |
| MW | 531-1602kHz |
| FM(UKW) | 87.5-108MHz |

CE 1994

CLASS 1 LASER PRODUCT
(EN-60825.1991)

R·D·S/EON

DRX9175R

CD/MD CHANGER
B.B.DSP/EQ

clarion

TA/PTY
RPT
RDS
RDM
DX/LD
PWR ADJ
POWER FUNC
LD AM
SP
EQ
SCN
PS/AS
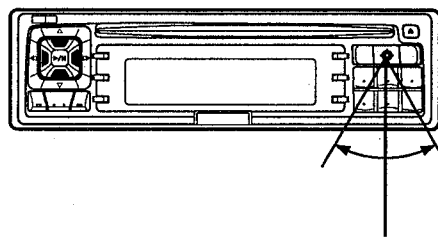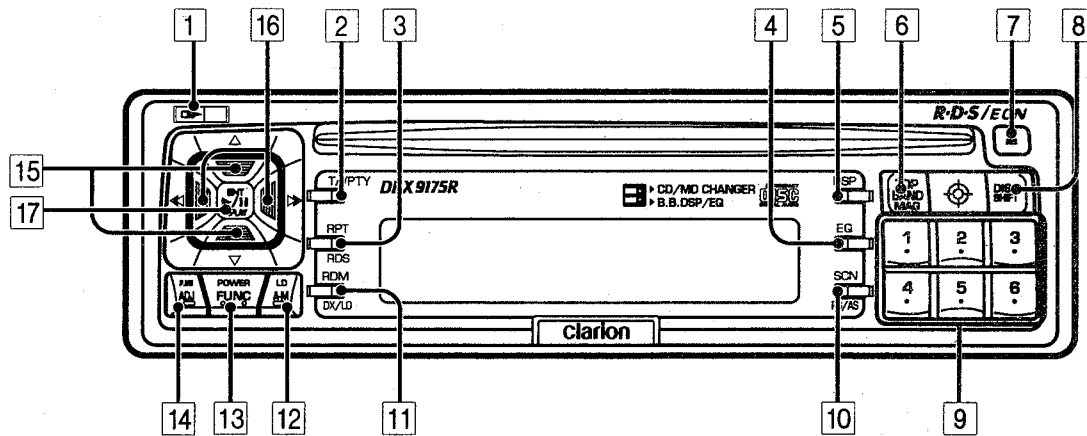
Operation Angle: 30° in all directions
Angle d'utilisation: 30° dans toutes les directions
Einbauwinkel: 30° in allen Richtungen
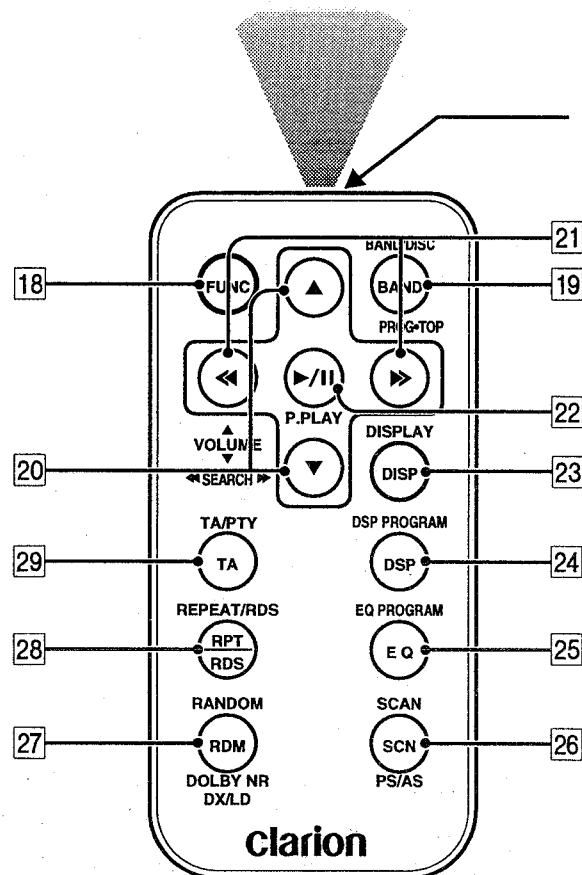
Signal transmitter
Emetteur de signal
Signalsender

FUNC
BAND/DISC
BAND
PROG·TOP
P.PLAY
VOLUME
SEARCH
DISPLAY
DISP
TA/PTY
TA
DSP PROGRAM
DSP
REPEAT/RDS
RPT
RDS
EQ PROGRAM
E Q
RANDOM
RDM
DOLBY NR
DX/LD
SCAN
SCN
PS/AS

clarion

# 1. FEATURES

English

## Tuner

EON-RDS Receiver with PI, PS, AF, TA, PTY, REG, CT, and M/S
Electronic Quartz-Locked PLL Tuning
Seek/Preset/Manual Tuning
24 Presets (18 FM, 6 MW/LW)
Preset Scan (PS)
Auto Store (AS)
DX/LO Switch

## Compact Disc

Full Logic CD Controls
8-Times Oversampling Digital Filter
Dual 1-Bit "Bit-Stream" D/A Converters
3-Beam Laser Tracking System
Reduced-Vibration Suspension System
Optical Digital Output
Random Play
Intro Scan
Repeat (Track/Disc)
Track Search FF/FB
2-Speed Audible Search FF/FB
Disc Initializer (TOP)
Plays 8 cm Discs
"Disc-In" Indicator
Auto Reload
Back-Up Eject
Disc Title Memory

## CD Changer Control

Multi-Magazine Control (6/12/18 Discs)
Disc Title Memory
Programmable Play
Play/Pause
Random Play (Single Disc/Full Disc)
Intro Scan (Track/Disc)
Repeat (Track/Disc)
Track Search FF/FB
2-Speed Audible Search FF/FB

## MD Changer Control

Disc Title Display
Play/Pause
Random Play (Single Disc/Full Disc)
Intro Scan (Track/Disc)
Repeat (Track/Disc)
Track Search FF/FB
2-Speed Audible Search FF/FB

## Audio

Electronic Controls (Volume/Bass/Treble/Balance/Fader)
Audio Muting
Loudness
4-Channel Gold-Plated RCA Line Level Output
2-Channel Gold-Plated RCA Line Level Output (non-fading)

## General

Primary Function Control
DSP/EQ Control
Full Information Display
Night Illumination
Switchable Button Illumination Colour: Amber/Green
RDS Clock Time (CT)
Power Antenna Activator
Amp Turn-On Trigger
ISO Connector
Triggered Audio Mute For Cellular Telephone
Infrared Remote Control

## Security

Detachable Control Panel (with protective case)
Blinking Theft-Preventing Indicator

2

# 1. CARACTERISTIQUES

## Tuner

Récepteur EON-RDS avec fonctions PI, PS, AF, TA, PTY, REG, CT et MS
Syntonisation électronique PLL verrouillée par quartz
Syntonisation automatique/préréglée/manuelle
24 Stations mémorisables (18 FM, 6 PO/GO)
Balayage préréglé (PS)
Mémorisation automatique (AS)
Commutateur DX/LO

## Disques compacts

Commandes CD entièrement logiques
Filtre numérique à suréchantillonnage octuple
Double convertisseurs N/A "Bit-Stream" à 1 bit
Système d'alignement laser 3 faisceaux
Système de suspension à vibrations réduites
Sortie numérique optique
Lecture aléatoire
Balayage des introductions
Répétition (plage/disque)
Recherche de plage par avance rapide/retour rapide (FF/FB)
Recherche audible à 2 vitesses par avance rapide/retour rapide (FF/FB)
Initialisation automatique de disque (TOP)
Lit des disques de 8 cm
Indicateur de disque inséré
Recharge automatique
Ejection de sécurité
Mémoire du titre du disque

## Contrôleur de changeur de CD

Commande multi-magasin (6/12/18 disques)
Mémoire du titre du disque
Lecture programmable
Lecture/pause
Lecture aléatoire (un disque unique/le disque entier)
Balayage des introductions (plage/disque)
Répétition (plage/disque)
Recherche de plage par avance rapide/retour rapide (FF/FB)
Recherche audible à 2 vitesses par avance rapide/retour rapide (FF/FB)

## Contrôleur de changeur de MD

Affichage de titre du disque
Lecture/pause
Lecture aléatoire (un disque unique/le disque entier)
Balayage des introductions (plage/disque)
Répétition (plage/disque)
Recherche de plage par avance rapide/retour rapide (FF/FB)
Recherche audible à 2 vitesses par avance rapide/retour rapide (FF/FB)

## Audio

Commandes électroniques (volume/graves/aiguës/équilibre/fader)
Sourdine audio
Compensation physiologique
Sortie de niveau de ligne RCA plaquée or 4 canaux
Sortie de niveau de ligne RCA plaquée or 2 canaux (sans fondu)

## Généralités

Commande des fonctions principales
Peut commander un égaliseur/module DSP Clarion
Affichage de toutes les informations
Eclairage de nuit
Couleur d'éclairage des touches: ambre/vert
Heure d'horloge RDS
Activateur d'antenne électrique
Déclencheur de mise sous tension de l'ampli
Connecteur ISO
Sourdine audio déclenchée pour un téléphone mobile
Télécommande infrarouge

## Sécurité

Clavier de commande amovible (avec boîtier de protection)
Indicateur anti-vol clignotant

Français

3

# 1. LEISTUNGSMERKMALE

## Tuner

EON-RDS-Empfänger mit PI-, PS-, AF-, TA-,
PTY-, REG-, CT- und MS-Funktion
Elektronisches Quartz-PLL-Tuning
Sendersuchlauf/Manuelle Abstimmung
24 Stationsspeicher (18 UKW, 6 MW/LW)
Stationsspeicher-Scan (PS)
Speicher-Automatik (AS)
DX/LO-Schalter

## CD

CD-Logiksteuerung
8-faches Oversampling-Digitalfilter
Dual 1-Bit "Bit-Stream" D/A-Wandler
3-Strahl-Laser-System
Vibrationsdämpfende Aufhängung
Optischer Digitalausgang
Wiedergabe in zufälliger Reihenfolge (Random)
Anspielautomatik (Titel/Scan)
Repeat (einzelne Titel/ganze CD)
Titel-Anwahl vor/zurück
Schneller Vor-/Rücklauf mit 2 Geschwindigkeiten
TOP-Funktion (Rücksprung zum ersten Titel der CD)
Wiedergabe von 8 cm-Single-CD's
"Disc-In" Anzeige
Autom. Wiedereinladen
Freigabe der CD im ausgeschaltete Zustand
CD-Titel-Speicher

## CD-Wechsler-Steuerung

Mehrfach-Magazin-Steuerung (6/12/18 CDs)
CD-Titel-Speicher
Programmierbare Wiedergabe
Wiedergabe/Pause
Random Play (Einzelne CD/Ganzes Magazin)
Anspielautomatik (Titel/CD) (Intro-Scan)
Repeat (einzelne Titel/ganze CD)
Titel-Anwahl vor/zurück
Schneller Vor-/Rücklauf mit 2 Geschwindigkeiten

## MD-Wechsler-Steuerung

MD-Titel-Anzeige
Wiedergabe/Pause
Random-Play (Einzelne MD/Ganzes Magazin)
Anspielautomatik (Titel/MD) (Intro-Scan)
Repeat (einzelne Titel/ganze MD)
Titel-Anwahl vor/zurück
Schneller Vor-/Rücklauf mit 2 Geschwindigkeiten

## Audio

Elektronische Regelung für Lautstärke/Tiefen/
Höhen/Balance/Fader
Mute-Schaltung
Loudness
4-Kanal-Ausgang (vergoldete Cinch-Buchsen)
2-Kanal-Ausgang (vergoldete Cinch-Buchsen)
(ohne Fader)

## Allgemein

Grundfunktionsregler
DSP/EQ-Steuerung
Mehrfachdisplay
Nachtbeleuchtung
Umschaltbare Farbe der Tastenbeleuchtung:
Orange/Grün
RDS-Uhrzeitsynchronisation (CT)
Anschluß für Motor- oder Verstärkerantennen
Ein-/Ausschaltung des Verstärkers
ISO-Steckverbinder
Telefon-Mute
Infrarot-Fernbedienung

4

# 2. D.C.P. (Detachable Control Panel)

The control panel can be detached to prevent theft. When detaching the control panel, store it in the included DCP case to prevent scratches. We recommend taking the control panel with you when leaving the car.
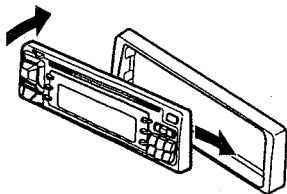
## Removing the DCP

1 Turn the power off.
2 Press the release button [1].
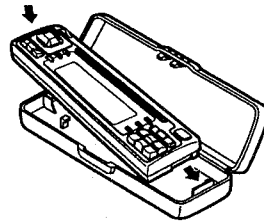   * The DCP is unlocked.
3 Remove the DCP.
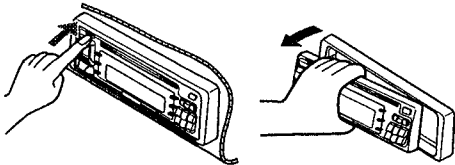


## Attaching the DCP

Insert the DCP into the right side of the main unit and press the left side to lock it. Do not insert the DCP from the left side. Doing so may damage it.



## Storing the DCP in the DCP case

1 Insert the DCP into the right side of the case (included), and press the left side to lock it.
2 To remove from the case, press the DCP to the right and draw it out upwards.



*NOTE:*
* The DCP can easily be damaged by shocks. After removing it, place it in its case and be careful not to drop it or subject it to strong shocks.
* When the release button is pressed and the DCP is unlocked, the car's vibrations may cause it to fall. To prevent damage to the DCP, always store it in its case after detaching it.
* The connector connecting the main unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, pens, screwdrivers, etc.
* If the DCP is dirty, wipe off the dirt with a soft, dry cloth.



DCP connector      DCP      Main Unit connector
                rear panel
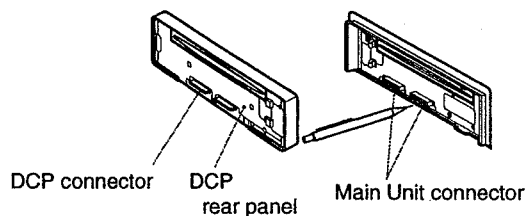
## ANTI-THEFT INDICATOR

A red indicator can be set to flash as a means of preventing theft. This flashing red indicator warns thieves that the anti-theft device is activated.

1) Press the ADJ button [14].
2) Use the Up and Down buttons (▲▼) [15] to select "GENERAL".
3) Press the ENT button [17].
4) Use the Right and Left buttons (◀◀ ▶▶) [16] to select "BLINK LED".

5) Use the Up and Down buttons (▲▼) [15] to select "on".
   * If "off" is selected, the indicator is turned off.
6) Press the ADJ button [14] to return to the previous mode.
7) The red indicator flashes when the DCP is removed from the main unit.

# 3. PRECAUTIONS AND HANDLING COMPACT DISCS

1. When the inside of the car is very cold and the player is used soon after switching on the heater, dew may form on the disc or the optical parts of the player and proper playback may not be possible. If dew forms on the disc, wipe it with a soft cloth. If dew forms on the optical parts the player, do not use the player for about one hour and the condensation will disappear naturally to allow normal operation.

2. Driving on bumpy roads which cause severe vibration may cause the sound to skip.

This unit has been designed specifically for reproduction of compact discs bearing the

 mark. No other discs can be played.

To remove the compact disc from its storage case, press down on the centre of the case and lift the disc out, holding it carefully by the edges.

Removing the disc
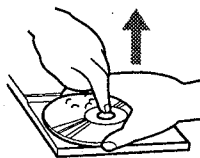
Proper way to hold the compact disc



Always handle the compact disc by the edges. Never touch the surface.
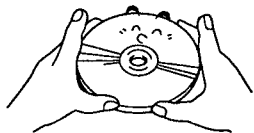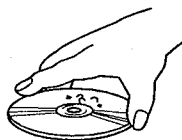


To remove fingermarks and dust, use a soft cloth, and wipe in a straight motion from the centre of the compact disc to the outside.
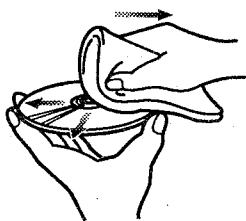


## Note on Compact Discs

Never stick labels on the surface of the compact disc or mark the surface with a pencil or pen.
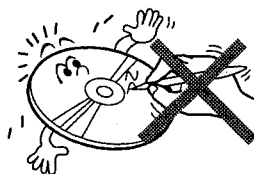


Do not use any solvents such as commercially available cleaners, anti-static spray, or thinner to clean compact discs.
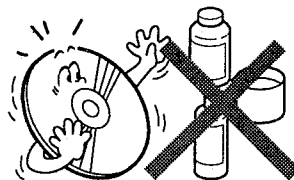


Do not use compact discs that have large scratches, are misshaped, cracked, etc. Use of such discs will cause misoperation or damage.
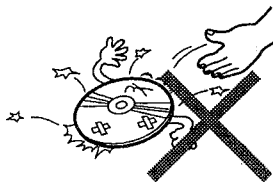


Do not expose compact discs to direct sunlight or any heat source.



6
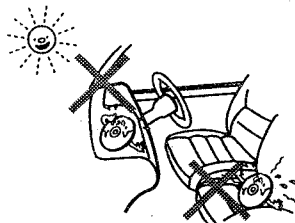
# 4. OPERATION

## Names of Buttons

[1] DCP release button

[2] TA/PTY button

[3] RPT (repeat) button [ ⊙ ], [ ⊙ ], [ ☉ ]

RDS button [ ((👖)) ]

[4] EQ (equalizer) button

[5] DSP (digital sound processor) button

[6] TOP button [ ⊙ ]

BAND/T.MODE button [ ((👖)) ]

MAG (magazine) button [ ⊙ ]

[7] Eject (▲) button [ ⊙ ]

[8] DISP (display) button

SHIFT button

[9] Direct buttons (1 to 6) [ ((👖)) ], [ ⊙ ], [ ☉ ]

[10] SCN (scan) button [ ⊙ ], [ ⊙ ], [ ☉ ]

PS/AS (preset scan/auto store) button [ ((👖)) ]

[11] RDM (random) button [ ⊙ ], [ ⊙ ], [ ☉ ]

DX/LO (DX/local) button [ ((👖)) ]

[12] A-M (audio mode) button

LD (loudness) button

[13] POWER button

FUNC (function) button

[14] ADJ (adjust) button

P.ME (programme memory) button [ ⊙ ]

### Primary Function Control

[15] Up and down (▲ and ▼) buttons

[16] Left and right (◄◄ and ►►) buttons

[17] Mute button [ ((👖)) ]

Play/pause (►/II) button [ ⊙ ], [ ⊙ ], [ ☉ ]

P.PLAY (programme play) button [ ⊙ ]

ENT (enter) button

[ ((👖)) ] : In the radio mode

[ ⊙ ] : In the CD mode

[ ⊙ ] : In the CD changer mode

[ ☉ ] : In the MD changer mode

## Primary Function Control operation

The Primary Function Control is an important aspect of the DRX9175R.

To select ▲,▼ , ◄◄ or ►►: Press one of the four sides of the Primary Function Control.
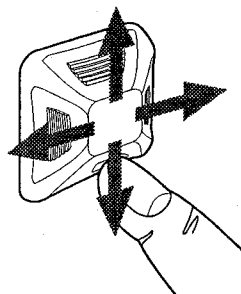
To use the [►/II / P.PLAY] button: Press on the centre of the button.
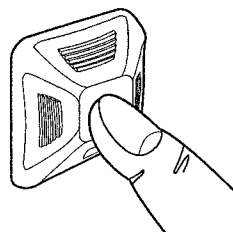
*NOTE:*

**Do not turn the button while operating any primary function controls.**

7

## Adjustments made with the ADJ button

(not including DSP and equalizer adjustments)
The "*" mark indicates initial settings.

| Adjustment | Settings | Mode in which adjustment is possible | Page |
|---|---|---|---|
| RDS setting | *on<br>off | Any mode | 13 |
| Regional setting | *on<br>off | Any mode as long as the RDS function is on | 13 |
| PTY code setting | *NEWS<br>~ OTHER M | | 14 |
| Button illumination | COLOR-1 (G)<br>*COLOR-2 (A) | Any mode | 19 |
| BLINK LED setting | *off<br>on | | 5 |
| Seek tuning sensitivity | *DX<br>LOCAL | Radio mode | 12 |
| Volume setting for traffic announce-ments, etc. | VOL 0 ~ VOL 33 | | 15 |
| AS band | *FM1/2/3<br>FM3 | | 12 |
| M/S setting | *off<br>on | Radio mode with the RDS function on | 14 |
| Programme play<br>Programme erase | 1 ~ 50 | CD changer mode | 17<br>17 |
| Title input | Input of up to 11 characters | CD changer mode<br>CD mode | 17 |
| Title clear | 1 ~ 100 | | 18 |
| Title list display | | | 17 |
| MD display | *DISC<br>TRACK | MD changer mode | 19 |

8

# Functions of Remote Control Unit Buttons

| Button \ Mode | Radio | CD | CD changer/MD changer |
|---|---|---|---|
| 18 FUNC | Switches between radio, CD, CD changer and MD changer. | | |
| 19 BAND/DISC PROG-TOP | Switches reception band. When pressed for more than 2 seconds: Switches between seek and manual tuning modes. | Plays the first track. | Moves the next disc in increasing order. |
| 20 VOLUME (▲▼) | Increases and decreases volume (in all modes). | | |
| 21 SEARCH (◄◄►►) | Moves preset channels up and down. | Moves tracks up and down. When pressed for more than 1 second: Fast-forward/fast-backward. | Moves tracks up and down. When pressed for more than 1 second: Fast-forward/fast-backward. |
| 22 (►/II) P.PLAY | Turns mute on and off. | Switches between playback and pause. | Switches between playback and pause. When pressed for more than 2 seconds: Starts and stops programme playback (for CDs only). |
| 23 DISPLAY | Switches between main display, sub display and time display. When pressed for more than 1 second: Scrolls the titles (for MDs only). | | |
| 24 DSP PROGRAM | Moves the DSP programme up. | | |
| 25 EQ PROGRAM | Moves the equalizer programme up. | | |
| 26 PS/AS SCAN | Preset scan. When pressed for more than 2 seconds: Auto store. | Scan. | Scan. When pressed for more than 2 seconds: Disc scan. |
| 27 DX/LO RANDOM | Switches between DX and local reception. | Random play. | Random play. When pressed for more than 2 seconds: Disc random play. |
| 28 RDS REPEAT | Turns RDS on and off. | Repeat play. | Repeat play. When pressed for more than 2 seconds: Disc repeat play. |
| 29 TA/PTY | TA. When pressed for more than 2 seconds: PTY (when RDS is on). | | |

* Some of the corresponding buttons on the main unit and remote control unit have different functions.

## Inserting the Battery

1) Turn the remote control unit upside down, push the lock on the bottom in the direction of the arrow, and pull out the lid.
2) Insert the included battery (CR2025) with the "+" side facing up.
3) Push the lid back in securely until a click is heard.
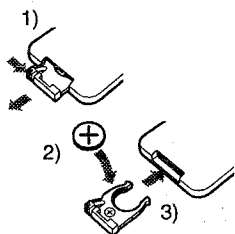
*NOTE:*
Using batteries improperly can cause them to explode. Heed the following points:
* When replacing the battery, be sure to set the new battery with the "+" side facing up.
* Do not short-circuit, disassemble or heat batteries.
* Do not dispose of batteries in flames.
* Dispose of spent batteries in the proper place.

9

## Basic Operation

**CAUTION**

**Turning the power on and off with the volume set at the maximum position has a negative effect on the unit and could harm your ears. Be careful to set the volume to an appropriate level.**

1) Press the POWER button [13].
   * To turn the power off, press the POWER button for at least 1 second.

2) Press the FUNC button [13] to select the operation mode. The mode switches as follows each time the FUNC button is pressed:
   Radio → CD → CD changer → MD changer → Radio
   * If a component is not connected, that operation mode cannot be selected.
   * "NO DISC" appears when no disc is loaded in the DRX9175R, and "NO DISC" or "NO MAGAZINE" appears when no disc is loaded in the CD changer or MD changer when the CD or MD mode is set.

3) Use the up and down buttons [15] to adjust the volume.
   ▲ : Increases the volume.
   ▼ : Decreases the volume.

### Audio mode adjustments

1) Press the A-M button [12] to select the audio mode. The mode switches as follows each time the A-M button is pressed:
   BASS/TREB → BAL/FAD → Previous mode

2) Use the left and right and the up and down buttons [15][16] to adjust the bass and treble.
   <Adjusting the bass>
   ▶▶ : Bass gets stronger.
   ◀◀ : Bass gets weaker.
   <Adjusting the treble>
   ▲ : Treble gets stronger.
   ▼ : Treble gets weaker.

3) Use the left and right and the up and down buttons [15][16] to adjust the balance and fader.
   <Adjusting the balance>
   ▶▶ : Sound from right speakers gets stronger.
   ◀◀ : Sound from left speakers gets stronger.

<Adjusting the fader>
▲ : Sound from front speakers gets stronger.
▼ : Sound from rear speakers gets stronger.

### Loudness function

Press the LD button [12] for at least 2 seconds to turn the loudness function on and off.
* When a DSP unit (DPH9100) is connected, the loudness effect is automatically controlled.

### Switching the display

The display changes as follows each time the DISP button [8] is pressed:
Operation mode display → Sub display → Time display → Operation mode display
* The sub display is displayed during playback on the CD player, CD changer or MD changer and in the radio mode.

Mode display
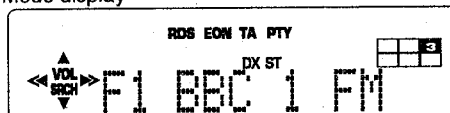


Sub display
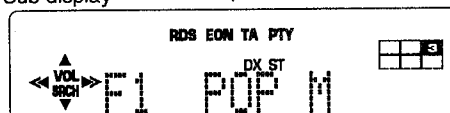


Time display
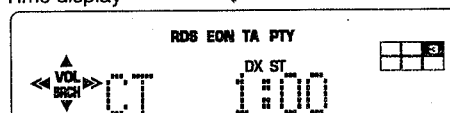


* These examples are for the radio mode.

# CD Operations

## Loading discs

Insert the disc into the CD insertion slot with the labeled side facing up. Playback begins automatically.

* For instructions on inputting titles, refer to "Giving Titles" under "CD Changer Operations".
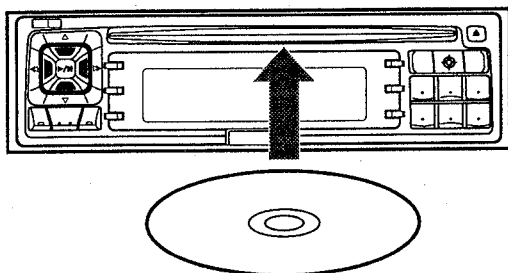


* Play single CDs (8cm CDs) with no adapter.



## Listening to a disc which is already loaded

Press the FUNC button [13] to select the CD mode. Playback begins automatically.

## Stopping playback temporarily

Press the play/pause button [17]. Press the button again to resume playback.

## Ejecting discs

Press the eject button [7]. The disc is ejected. For single CDs, press the eject button again. The disc is ejected further, making it easier to remove.

* If discs are left in the ejected position, they are automatically reloaded after 15 seconds.

## Top function

Press the TOP button [6] to begin playing from the first track on the disc (track no. 1).

## Selecting tracks

Use the left and right buttons [16].

▶▶ : Press this to move ahead to the beginning of the next track.

◀◀ : Press this to move back to the beginning of the current track. Press again to move back to the beginning of the previous track.

## Fast forward and fast backward

Press and hold in the left or right button [16].

▶▶ : Press and hold this to move rapidly forward.

◀◀ : Press and hold this to move rapidly backward.

* The disc moves at 3 times the normal speed after the button is held in 1 second, at 30 times the normal speed after it is held in 3 seconds.

## Scan function

When the SCN button [10] is pressed, "SCN" appears on the display, and the first 10 seconds of all the tracks on the disc are played. Press the SCN button again to stop scanning.

* Scanning starts from the track following the track which is currently playing.

## Repeat function

When the RPT button [3] is pressed, "RPT" appears on the display and the current track is played repeatedly. Press the RPT button again to cancel the repeat mode.

## Random playback

When the RDM button [11] is pressed, "RDM" appears on the display, and all the tracks on the disc are played in random order. Press the RDM button again to cancel the random play mode.

11

# Radio Operations

## Listening to the radio

1) Press the FUNC button [13] and select the radio mode. The radio turns on.

```
        RDS EON TA PTY
                DX ST
  ◄ VOL ►  F1 BBC 1 FM
    SRCH
```
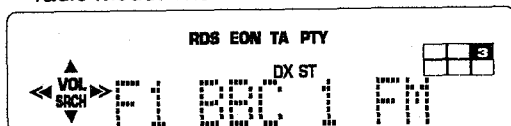
2) To tune in a preset station, first press the BAND button [6] and select FM1, FM2, FM3 or AM (LW/MW).

The band changes as follows each time the BAND button is pressed:

FM1 → FM2 → FM3 → AM → FM1

3) Use the direct buttons [9] to select the desired station.

## Seek tuning

1) Press the BAND button [6] and select the desired band.
2) The seek tuning mode is set when "SRCH" is lit on the display.
3) Press the left or right button [16]. Seek tuning automatically stops when a station is found.

   * There are two seek tuning modes: DX seek, in which all receivable stations are tuned in in order, and local seek, in which only stations with good reception are tuned in.

## Switching between DX and local

The DX mode is set when "DX" is lit on the display.

### Switching (1)
In the radio mode, press the DX/LO button [11] to switch between "DX" and "LOCAL".

### Switching (2)
1) Press the ADJ button [14].
2) Use the up and down buttons [15] to select "UTILITY", then press the ENT button [17].
3) Use the left and right buttons [16] to select "DX/LOCAL".
4) Use the up and down buttons to select "DX" or "LOCAL".
5) Press the ADJ button.

## Manual tuning

1) Press the BAND button [6] and select the desired band.
2) Press the BAND button again for more than 2 seconds. "SRCH" turns off and the manual tuning mode is set.
3) Use the left and right buttons [16] to tune in the desired frequency.

   * The mode automatically returns to the seek mode after 7 seconds.

## Presetting stations

A total of 24 stations can be preset, 6 each for the FM1, FM2, FM3 and AM bands.

*NOTE:*
When a station is preset, the station previously stored in the memory at that position is cleared.

### Presetting stations manually
1) Press the BAND button [6] to select the band at which to store the station.
2) Use the left and right buttons [16] to tune in the station to be preset.
3) Press the direct button [9] at which you want to store that station for at least 2 seconds.

### Auto store function
1) Press the BAND button [6] to select the band at which to store the stations.
2) Press the AS button [10] for at least 2 seconds. Stations with good reception are automatically stored at direct buttons [9] 1 to 6.

   * If there are fewer than 6 stations with good reception, the stations previously stored at the remaining buttons are not cleared.

## Setting the band(s) for the auto store function

If there are preset frequencies you do not want to clear, change the band(s) for which the auto store function can be used.

1) Press the ADJ button [14].
2) Use the up and down buttons [15] to select "UTILITY", then press the ENT button [17].
3) Use the right and left buttons [16] to select "AS BAND ADJ".
4) Use the up and down buttons [15] to select "FM1/2/3" or "FM3".

12

* When "FM3" is selected, the auto store function
  can only be used for the FM3 band.
5) Press the ADJ button.

## Preset scanning

When the PS button [10] is pressed, the preset
memory numbers flash and the stations are
tuned in for 7 seconds each in the order in
which they were stored. Press the PS button
again to cancel the preset scanning mode.

*NOTE:*

The auto store mode is set if the PS button is pressed
for more than 2 seconds.

### Mute

Use this function to turn off the sound
immediately.
Press the MUTE button [17]. The sound turns off
and "MUTE" appears on the display. Press the
MUTE button again to cancel the mute mode.

# RDS (Radio Data System) Operations

## About the RDS functions

* When an RDS station is tuned in, the programme
  name is displayed. (PS: Programme Service name)
* When an emergency broadcast is received while an
  RDS station is tuned in, "ALARM" is displayed. The
  volume is automatically set to the preset volume level.
* If the RDS station can no longer be received in good
  conditions in the current location, "RDS" flashes on
  the display. "RDS" stops flashing when good
  reception is again possible.
* When seek tuning is used while in the RDS mode,
  only stations broadcasting RDS signals are tuned in.

## Preset scanning in the RDS mode

When the PS button [10] is pressed while in the
RDS mode, only preset RDS stations are
scanned.

## Auto store function in the RDS mode

When the AS button [10] is pressed for at least
2 seconds while in the RDS mode, only RDS
stations are stored at the preset buttons.

## Selecting the RDS mode (1)

Press the RDS button [3]. This turns the RDS
mode on and off.
* This is only possible when in the radio mode.
* "RDS" is lit when the RDS mode is on.

## Selecting the RDS mode (2)

1) Press the ADJ button [14].
2) Use the up and down buttons [15] to select
   "GENERAL", then press the ENT button [17].
3) Use the left and right buttons [16] to select
   "RDS".
4) Use the up and down buttons [15] to select
   "on".
5) Press the ADJ button.
   * "RDS" is lit when the RDS mode is on.

## Switch (over) to the best alternative frequency broadcasting the same programme (AF: Alternative Frequencies)

Whenever the preset button is pressed, the best
conditioned RDS station broadcasting the same
programme can be tuned in automatically.

## Regional programme function (REG)

When this function is on: Only local (regional)
stations in the local area are received.
When this function is off: When you enter
another area while receiving a regional station
in the first area, a regional station in the new
area is tuned in.
1) Press the ADJ button [14].
2) Use the up and down buttons [15] to select
   "GENERAL", then press the ENT button [17].
3) Use the left and right buttons [16] to select
   "REG".

**13**

4) Use the up and down buttons ⓒ to select "on".

5) Press the ADJ button.
   * This operation is only possible when the RDS mode is on.

## Searching for other programmes in the regional mode

When the regional programme mode is off and a preset RDS station is tuned in, another regional station is tuned in when the same preset button is pressed again.

* This function may not work in some regions.

## RDS EON (Enhanced Other Networks information)

"EON" lights when an RDS station's EON data is received.

1) When a traffic announcement starts while in the traffic announcement standby mode, "EON" lights and the traffic announcement is automatically tuned in, even when it is on a station other than the one which is currently tuned in.

2) When a programme of the selected programme type starts while in the PTY standby mode, "EON" lights and that programme is automatically tuned in, even when it is on a station other than the one which is currently tuned in.
   * Some countries and stations do not transmit EON data.

## Music/Speech function (M/S)

This function automatically turns the loudness function off so that dialogues are easier to hear.

1) Press the ADJ button ⑭.

2) Use the up and down buttons ⓒ to select "UTILITY", then press the ENT button ⑰.

3) Use the left and right buttons ⑯ to select "M/S ACT".

4) Use the up and down buttons to select "on".

5) Press the ADJ button.
   * The music/speech function will not work when the DPH9100 or DPH7100 is connected.

* The music/speech function can only be turned on and off when in the radio mode with the RDS mode on.
* Some stations do not transmit the data for turning the loudness function off.

## PTY (Programme Type) function

This function uses RDS PTY data so that stations broadcasting programmes of the desired programme type (PTY) can be tuned in using one of the following two methods:

(1) PTY SEEK: Use this to turn on immediately PTY seek for stations broadcasting programmes of the selected programme type.

(2) PTY standby: Use this to automatically interrupt the current operation and tune in stations broadcasting programmes of the selected programme type, using the EON data.

* The PTY function does not work unless the RDS mode is turned on. "RDS" is lit on the display when the RDS mode is on.
* When in the traffic announcement standby mode, traffic announcements have priority over PTY broadcasts.
* Some countries and stations do not transmit PTY and EON data.

### Selecting the PTY SEEK mode

1) Press the ADJ button ⑭.

2) Use the up and down buttons ⓒ to select "GENERAL", then press the ENT button ⑰.

3) Use the left and right buttons ⑯ to select "PTY SEL".

4) Use the up and down buttons to select one of the PTY codes, from "NEWS" to "OTHER M".

5) Press the ENT button ⑰. "PTY" appears on the display, the PTY SEEK operation begins, and when a station is found, the selected PTY is displayed.
   * If there are no stations broadcasting programmes of the selected programme type, the previous station is tuned in and the PTY standby mode is set automatically.

### Selecting the PTY standby mode (1)

1) Press the ADJ button ⑭.

2) Use the up and down buttons ⓒ to select "GENERAL", then press the ENT button ⑰.

3) Use the left and right buttons ⑯ to select "PTY SEL".

**14**

4) Use the up and down buttons to select one of the PTY codes, from "NEWS" to "OTHER M".
5) Press the ADJ button to return to the previous mode. "PTY" lights and the PTY standby mode is set.

**Selecting the PTY standby mode (2)**
Follow steps 1) to 3) in "Selecting the PTY standby mode (1)" to select "PTY SEL", then press one of the direct buttons ⑨. The PTY standby mode for the programme type stored at that button is set.

**Presetting programme types**
Follow steps 1) to 4) in "Selecting the PTY standby mode (1)" to select the programme type, then press one of the direct buttons ⑨ for more than 2 seconds. That programme type is stored in the memory, and "P1 MEMO" appears on the display (when direct button "1" is pressed).
* Six programme types can be stored, one each at buttons 1 to 6.

**Canceling the PTY standby mode**
To cancel the PTY standby mode, press the PTY button ② for more than 2 seconds. "PTY" turns off. To set the PTY standby mode again, press the PTY button again for more than 2 seconds.
* When the PTY button is pressed while receiving a programme of the selected programme type, PTY reception is canceled and the PTY standby mode is set.

**PTY display function**
Use this function to display the programme type of the station currently tuned. Press the DISP button ⑧ to switch the display.
* "— — — — —" is displayed if the PTY data cannot be received.

## TA (Traffic Announcement) function

This function automatically tunes in traffic announcements when they start.
Press the TA button ②. "TA" lights and the radio starts searching for stations broadcasting traffic announcements.
To turn the TA function off, press the TA button again. However, when the TA button is pressed while a traffic announcement is tuned in, the traffic announcement is cancelled and the TA standby mode is set.

* The traffic announcement standby mode is set when there is (are) a station(s) broadcasting traffic announcements.
* When a traffic announcement has started, "TRA INFO" is displayed, after which the PS (Programme Service name) or the frequency appears.
* When a traffic announcement starts, the loudness function is turned off and the volume is automatically set to the preset level.
* When the TA button is pressed while tuned in to a station which is not broadcasting traffic announcements, the radio searches for a station which is broadcasting traffic announcements.
* If no traffic announcement is found, "NO TRA" is displayed. Press the TA button to cancel the TA mode.

**Preset scanning when "TA" is lit or flashing**
When the PS button ⑩ is pressed while "TA" is lit or flashing, only preset traffic announcement stations are scanned.

**Auto store when "TA" is lit or flashing**
When the AS button ⑩ is pressed for more than 2 seconds while "TA" is lit or flashing, only preset traffic announcement stations are stored.

## Setting the volume for traffic announcements and emergency broadcasts

1) Press the ADJ button ⑭.
2) Use the up and down buttons ⑮ to select "UTILITY", then press the ENT button ⑰.
3) Use the left and right buttons ⑯ to select "TA VOL ADJ".
4) Use the up and down buttons to adjust the volume.
5) Press the ADJ button.
* This operation is only possible in the radio mode.

## Time display function (CT: Clock Time)

The time can be displayed in areas transmitting CT data.
Press the DISP button ⑧ to switch the display.
* Some countries and stations do not transmit CT data. Also note that in some areas the displayed time may be wrong.
* "CT—:—" is displayed when no CT data is being received.

**15**

## CD Changer Operations

When a separately sold CD changer (CDC605/CDC1205/CDC1805) is connected, it can be controlled from the DRX9175R.

**CD-ROMs**

CD-ROMs cannot be played on the DRX9175R.

### Listening to CDs

1) Press the FUNC button [13] to select the CD changer mode. Playback starts automatically.

   * The pause mode is set when the CD changer mode is set after the power is turned on or while the magazine is being loaded in the CD changer. In these cases, press the play/pause button [17] to start playback.
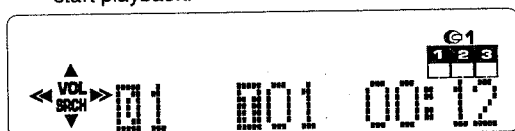


2) Press the play/pause button [17] to stop playback temporarily.

3) Use the direct buttons [9] to select the desired disc.

   * Nothing happens if a direct button corresponding to the number of a magazine in which no disc is loaded is pressed.

   * When a disc which is currently playing is selected, playback resumes from the first track on that disc.

4) Use the left and right buttons [16] to select tracks.

   ▶▶ : Press this to start playback from the beginning of the next track.

   ◀◀ : Press this to move back to the beginning of the current track. Press it again to move back to the beginning of the previous track.

   * Titles can be given to discs and displayed. If no title has been given, "– – – –" is displayed.

### Fast forward and fast backward

Press and hold in the left and right buttons [16].

   ▶▶ : Press and hold this to move rapidly forward.

   ◀◀ : Press and hold this to move rapidly backward.

* The disc moves at 3 times the normal speed after the button is held in 1 second, at 30 times the normal speed after it is held in 3 seconds.

### Scan function

When the SCN button [10] is pressed, "SCN" appears on the display, and the first 10 seconds of all the tracks on the disc are played. Press the SCN button again to stop scanning.

**Disc scan function**

When the SCN button [10] is pressed for more than 2 seconds, "DISC" and "SCN" appear and the first 10 seconds of the first track on all the discs are played. Press the SCN button again to stop scanning.

### Repeat function

When the RPT button [3] is pressed, "RPT" appears on the display and the current track is played repeatedly. Press the RPT button again to cancel the repeat mode.

**Disc repeat function**

When the RPT button [3] is pressed for more than 2 seconds, "DISC" and "RPT" appear on the display and the current disc is played repeatedly. Press the RPT button again to cancel the disc repeat mode.

### Random playback

When the RDM button [11] is pressed, "RDM" appears on the display, and all the tracks on the disc are played in random order. Press the RDM button again to cancel the random play mode.

**Disc random playback**

When the RDM button [11] is pressed for more than 2 seconds, "DISC" and "RDM" appear on the display, and all the tracks on all the discs in the CD changer are played in random order. Press the RDM button again to cancel the disc random play mode.

## Programmed playback

Up to 50 tracks can be programmed to play repeatedly in the programmed order.

### Programming tracks

1) Select the track to be set in the programme list and start playing it.
2) Press the P.ME button [14] for at least 2 seconds. The number of the currently playing track is stored in the programme memory.
3) Repeat steps 1) and 2) to make the programme list.

### Playing the programmed tracks

Press the P.PLAY button [17] for more than 2 seconds. The tracks are played in the programmed order.
To resume normal playback, press the P.PLAY button again for more than 2 seconds.

* "NO PROGRAM" appears if no tracks have been stored in the programme memory.
* If a disc containing a programmed track has been removed, that track is skipped.

### Playing from programme lists

It is also possible to start playback from the middle of a programme list.

1) Press the ADJ button [14].
2) Use the up and down buttons [15] to select "P.PLAY".
3) Press the ENT button [17]. "P.PLAY LIST" appears, and the display switches to the programme list.
4) Use the up and down buttons to select the track you want to hear.
5) Press the ENT button for more than 2 seconds. Playback starts from the selected track.

### Clearing tracks from the list

1) Press the ADJ button [14].
2) Use the up and down buttons [15] to select "P.PLAY", then press the ENT button [17].
3) Use the left and right buttons [16] to select "P.PLAY CLR".
4) Use the up and down buttons [15] to select the track to be cleared.
5) Press the ENT button for more than 2 seconds. The selected track is cleared.
6) Press the ADJ button.

## Switching the magazine (when the CDC1205 or CDC1805 is connected)

This function can be used when a CD changer with multiple magazines is connected.
The next magazine is selected each time the MAG button [6] is pressed.

### Locking the magazine

Press the MAG button [6] for more than 2 seconds. " [G] " appears on the display, and only currently displayed magazine is played.
To cancel this, press the MAG button again for more than 2 seconds.

* Magazines can be selected even when a magazine is locked. When this is done, the selected magazine is locked.
* When a magazine is locked, scanning and random playback are only performed for the locked magazine.

## Giving titles

Titles can be given to discs and displayed. Up to 100 titles can be stored in the memory.

1) Select the disc to which you want to give a title.
2) Press the ADJ button [14].
3) Use the up and down buttons [15] to select "TITLE".
4) Press the ENT button [17]. "TITLE INPUT" appears on the display, and the display switches to the title input display.
5) Use the left and right buttons [16] to set the cursor position.
   * Up to 11 characters can be set.
6) Use the up and down buttons [15] to select the letters or numbers.
   * When the DISP button is pressed, the characters change as follows:
   Capital letters → Numbers → Umlauts and accented characters → Small letters → Symbols → Capital letters
7) Repeat steps 5) and 6) to input the title.
8) Press the ENT button for more than 2 seconds. The title is stored in the memory.
9) Press the ADJ button.

### Calling out a list of titles

1) Set the CD changer mode.
2) Press the ADJ button [14].
3) Use the up and down buttons [15] to select "INDEX".
4) Press the ENT button [17]. "TITLE LIST"

appears on the display, and the display switches to the title list display.

5) Use the up and down buttons to select the title.

6) If the ENT button is pressed for more than 2 seconds while the title is displayed, playback begins from the disc with the selected title.

**Clearing titles from the title list**

1) Set the CD or CD changer mode.

2) Press the ADJ button [14].

3) Use the up and down buttons [15] to select "INDEX", then press the ENT button [17].

4) Use the left and right buttons [16] to select "TITLE CLR". The display switches to the title list display.

5) Use the up and down buttons to select the title to be cleared.

6) Press the ENT button for more than 2 seconds to clear the selected title.

7) Press the ADJ button.


## MD Changer Operations

When a separately sold MiniDisc changer (MDJ474) is connected, it can be controlled from the DRX9175R.


### Listening to MDs

1) Press the FUNC button [13] to select the MD changer mode. Playback starts automatically.

*   When the MD changer mode is set, the disc title is displayed. "– – – – –" is displayed if no title has been input. Also, when the SHIFT button [8] is pressed, the display switches between the track number play time, title and clock.

2) Press the play/pause button [17] to stop playback temporarily.

3) Use the direct buttons [9] to select the desired MD.

    * Nothing happens if a direct button at which no MD is loaded is pressed.

**18**

* When the MD which is currently playing is selected, playback resumes from the first track on that MD.

4) Use the left and right buttons [16] to select tracks.

  ▶▶ : Press this to start playback from the beginning of the next track.

  ◀◀ : Press this to move back to the beginning of the current track. Press it again to move back to the beginning of the previous track.


### Fast forward and fast backward

Press and hold in the left and right buttons [16].

  ▶▶ : Press and hold this to move rapidly forward.

  ◀◀ : Press and hold this to move rapidly backward.

  * The disc moves at 3 times the normal speed after the button is held in 1 second, at 30 times the normal speed after it is held in 3 seconds.


### Scan function

When the SCN button [10] is pressed, "SCN" appears on the display, and the first 10 seconds of all the tracks on the MD are played. Press the SCN button again to stop scanning.

* Scanning starts from the track following the one that is currently playing.

**Disc scan function**

When the SCN button [10] is pressed for more than 2 seconds, "DISC" and "SCN" appear and the first 10 seconds of the first track of all the MDs are played.Press the SCN button again to stop scanning.

* Scanning starts from the MD following the one that is currently playing.


### Repeat function

When the RPT button [3] is pressed, "RPT" appears on the display and the current track is played repeatedly. Press the RPT button again to cancel the repeat mode.

**Disc repeat function**

When the RPT button [3] is pressed for more than 2 seconds, "DISC" and "RPT" appear on the display and the current MD is played repeatedly. Press the RPT button again to cancel the disc repeat mode.

## Random playback

When the RDM button ⑪ is pressed, "RDM" appears on the display, and all the tracks on the current MD are played in random order. Press the RDM button again to cancel the random play mode.

**Disc random playback**

When the RDM button ⑪ is pressed for more than 2 seconds, "DISC" and "RDM" appear on the display, and all the tracks on all the MDs in the MD changer are played in random order. Press the RDM button again to cancel the disc random play mode.

## Scrolling titles

Press the SHIFT button ⑧ for more than 1 second while in the title display mode to scroll the titles.

## Selecting titles

1) Press the ADJ button ⑭.
2) Use the up and down buttons ⑮ to select "UTILITY".
3) Press the ENT button ⑰. "D/T TITLE" is displayed.
4) Use the up and down buttons ⑮ to select "DISC" or "TRACK".
5) Press the ADJ button.

## Other Handy Functions

### Switching the colour of the button illumination

The colour of the buttons can be switched between green and amber.

1) Press the ADJ button ⑭.
2) Use the up and down buttons ⑮ to select "GENERAL", then press the ENT button ⑰.
3) Use the left and right buttons ⑯ to select "ILLUM".
4) Use the up and down buttons ⑮ to select "COLOR-1" or "COLOR-2".

\* The illumination turns green when "COLOR-1" is selected, amber when "COLOR-2" is selected.

5) Press the ADJ button.

## Triggered audio mute for cellular telephones

With this function, "TELEPHONE" appears on the display and the sound is muted when a call is received. The previous operation resumes when the line is disconnected.

## DSP and Equalizer Operations

When a separately sold expanded digital sound processor or expanded graphic equalizer is connected, the functions described below can be controlled from the DRX9175R.

### Fine-adjustment of the listening position (when the DPH9100 or DPH7100 is connected)

The time required from when the sound leaves the speaker until it reaches you can be fine-adjusted to create a natural sound field, no matter what seat you are sitting in.

### Numerous preset sound fields (when the DPH9100 or DPH7100 is connected)

The most common sound fields are already stored in the memory.
In addition, six other sound field settings adjusted by the user can also be stored in the memory (when the DPH9100 is connected).

### Six preset equalizer settings (when the DPH9100, DPH7100, or EQH5100 is connected)

Six equalizer settings are preset, offering a choice of the settings for various types of music. In addition, six other settings adjusted by the

**19**

user can also be stored in the memory.

## Giving titles (only when the DPH9100 is connected)

Titles can be given to the user-adjusted sound fields and equalizer settings and displayed when they are selected.

# DSP Functions

## Turning the DSP effect on and off

Press the DSP button [5] for more than 2 seconds to turn the DSP effect on and off.
When the DSP effect is on, "DSP B1", "DSP B2" or "DSP U" appears on the display.

## Fine-adjusting the listening position

1) Press the A-M button [12] to set the listening position adjustment display.
2) Press the ENT button [17] to select the position to be adjusted. The position switches as follows each time the ENT button is pressed:
    FULL SEAT → FRONT-R → FRONT-L → FRONT → REAR → PASS → FULL SEAT
3) Use the up and down buttons [15] to adjust the fader.
4) Use the right and left buttons [16] to adjust the balance.

## Selecting the DSP sound field

1) Press the FUNC button [13] to select the desired mode.
2) Press the DSP button [5] so that "DSP" flashes on the display.
3) Press the BAND button [6] and select the group including the desired sound field.
    The group changes as follows each time the BAND button is pressed:
    DSP BASIC 1 → DSP BASIC 2 → DSP USER → DSP BASIC 1
    (When the DPH7100 is connected, only "DSP BASIC" can be selected.)

20

4) Use the direct buttons [9] to select the desired sound field.

**Sound fields**
<DSP BASIC 1>
1. **HALL**: Sound of a large concert hall. (♩)
2. **CHURCH**: Sound of a church with a very high ceiling. (♩)
3. **STADIUM**: Sound of a large stadium with no ceiling or walls. (♪)
4. **LIVEHOUSE**: Sound of a live performance hall, somewhat larger than a jazz club. (♪)
5. **DISCO**: Sound of a disco with strong bass. (♪)
6. **JAZZCLUB**: Sound of a jazz club with a low ceiling. (♪)
<DSP BASIC 2>
1. **DOME**: Sound of an indoor sports arena. (♩)
2. **CHAMBER**: Sound of a large hall in a palace. (♩)
3. **PARK**: Sound of a spacious outdoor area. (♪)
4. **THEATER**: Sound of a movie or drama theatre. (♪)
5. **STUDIO**: Sound of a listening room in a home. (♪)
6. **BGM**: Sound with the vocals cut. (★)
    * (♩) - Reverberation type sound fields
    (♪) - Early reflection type sound fields
    (★) - "BGM" (background music) type sound field

## Editing DSP sound field settings

1) Select the preset sound field to serve as a base.
2) Press the DSP button [5] so that "DSP" flashes on the display.
3) Press the ADJ button [14].
4) Use the up and down buttons [15] to select "DSP EDIT", then press the ENT button [17].
5) Use the left and right buttons [16] to select the parameter to be adjusted.
6) Use the up and down buttons to adjust the setting.
7) To store a setting in the memory, press one of the direct buttons [9] for more than 2 seconds. (Only when the DPH9100 is connected.)
8) Press the ADJ button.

**Parameters which can be adjusted in the "DSP EDIT" mode**
1. **EFFECT**: Percentage of reflected sound (0% ~ 100%)
2. **INITIAL DLY**: Sense of distance between sound source and walls (1ms ~ 100ms)
3. **REVERB TIME**: Length of reverberations (0.3s ~ 10.0s)

4. **ROOMSIZE**: Sense of expansion (0.1 ~ 4.0)
5. **HIGH**: Percentage of high frequencies in reverberations (0.1 ~ 4.0)
6. **LIVENESS**: Sense of dynamism (0 ~ 10)
   * For details on the parameters, refer to the DSP unit's operating instructions.
   * When the DPH7100 is connected, only the "EFFECT" parameter can be edited.
   * For some sound fields, not all the parameters can be adjusted.
     For reverberation type sound fields ( $\oint$ ): The "ROOMSIZE" and "LIVENESS" parameters cannot be adjusted.
     For early reflection type sound fields ( $\int$ ): The "REVERB TIME" and "HIGH" parameters cannot be adjusted.
     For the BGM type sound field ( $\bigstar$ ): Only the "EFFECT" parameter can be adjusted.

## Giving titles to DSP and equalizer settings (only when the DPH9100 is connected)

1) Press the DSP ⑤ or EQ ④ button so that "DSP" or "EQ" flashes on the display.
2) Press the BAND button ⑥ to select "DSP USER" or "EQ USER".
3) Use the direct buttons ⑨ to select the number of the user setting (U-1 to U-6) to which you want to give a title.
4) Press the ADJ button ⑭.
5) Use the up and down buttons to select "DSP TITLE" or "EQ TITLE", then press the ENT button ⑰.
6) Use the left and right buttons ⑯ to select the cursor position, then use the up and down buttons to select and input the characters.
   The characters change as follows each time the SHIFT button ⑧ is pressed:
   Capital letters → Numbers → Umlauts and accented characters → Small letters → Symbols → Capital letters
   * Up to 11 characters can be set.
7) Press the ENT button for more than 2 seconds to store the title in the memory.
8) Press the ADJ button.

## Turning the auto loudness function on and off (only when the DPH9100 is connected)

Press the LD button ⑫ for more than 2 seconds. "A.LD" appears on the display, and the auto loudness function is turned on.
Press the LD button again for more than 2 seconds to turn the auto loudness function off.

### Adjusting the auto loudness function
The amount of compression can be adjusted (between 0 and 10) without changing the loudness.
1) Press the DSP button ⑤ so that "DSP" flashes on the display.
2) Press the ADJ button ⑭.
3) Use the up and down buttons ⑮ to select "A.LD ADJ", then press the ENT button ⑰.
4) Use the up and down buttons to adjust the setting.
5) Press the ADJ button.

## Equalizer Functions

### Turning the equalizer effect on and off

Press the EQ button ④ for more than 2 seconds to turn the equalizer effect on and off.
When the equalizer effect is on, "EQ B" or "EQ U" appears on the display.

### Selecting the equalizer setting

1) Press the FUNC button ⑬ to select the desired mode.
2) Press the EQ button ④ so that "EQ" flashes on the display.
3) Press the BAND button ⑥ and select the group including the desired equalizer setting.
   The group changes as follows each time the BAND button is pressed:
   EQ BASIC → EQ USER → EQ BASIC
4) Use the direct buttons ⑨ to select the desired equalizer setting.
<Equalizer settings>
1. **BASS BOOST**: Low frequencies emphasized.
2. **HIGH BOOST**: Medium and high frequencies emphasized.

**21**

3. **ACOUSTICAL**: Medium frequencies (vocals) emphasized.
4. **IMPACT**: Low and high frequencies emphasized.
5. **SMOOTH**: Soft, relaxed sound.
6. **FLAT**: The original sound.

## Editing the equalizer settings

1) Select the preset equalizer setting to serve as a base.
2) Press the EQ button [4] so that "EQ" flashes on the display.
3) Press the ADJ button [14].
4) Use the up and down buttons [15] to select the desired adjustment, then press the ENT button [17].
5) When "EQ EDIT", "EQ MIN FREQ", "SUB WOOFER" or "P.EQ" has been selected, use the left and right buttons [16] to select the parameter to be adjusted.
6) Use the up and down buttons to adjust the setting.
7) To store a setting in the memory, press one of the direct buttons [9] for more than 2 seconds.
8) Press the ADJ button.
   * For details on the parameters, refer to the equalizer's operating instructions.

### Equalizer adjustments

<EQ EDIT>

Use this to adjust the levels of the various frequencies. If the SHIFT button [8] is pressed while in the equalizer editing mode, the equalizer curve appears, so you can adjust the settings while looking at the curve. Press the DISP button again to return to the previous display.

<EQ MIN FREQ (when the DPH9100 or DPH7100 is connected)>

This function allows you to switch the minimum adjustment frequency between 30Hz and 50Hz.

<Parameters which can be adjusted in the "SUB WOOFER" mode>
1. **STEREO/MONO**: Switch this according to the number of speakers being used. (off ~ MONO ~ STEREO)
2. **WOOFER VOL**: Sets the woofer's volume. (0 ~ 14)
3. **LPF**: Sets the low-pass filter's frequency. (50Hz ~ 80Hz ~ 120Hz)
4. **LPF SLOPE**: Sets the low-pass filter's slope. (12dB/oct ~ 18dB/oct ~ 24dB/oct)
5. **HPF**: Sets the high-pass filter's frequency. (Through ~ 50Hz ~ 80Hz ~ 120Hz)

6. **HPF SLOPE**: Sets the high-pass filter's slope. (12dB/oct ~ 18dB/oct ~ 24dB/oct)
7. **TEST TONE**: Used for testing the speaker wiring.
   * When the "STEREO/MONO" setting is turned off, parameters 2, 3 and 4, and parameter 7 "WOOFER-L" and "WOOFER-R" cannot be adjusted.
   * Parameters 4 and 6 can only be adjusted when the DPH9100 is connected.
   * Parameter 7 cannot be adjusted when the EQH5100 is connected.

<Parameters which can be adjusted in the "P.EQ" mode (only when the DPH9100 is connected)>
1. **P.EQ F/R**: Switches between the front and rear. (off ~ REAR ~ FRONT)
2. **F PRESET**: Selects one of 6 types of parameters according to car type. (TYPE 1 ~ TYPE 6)
3. **R PRESET**: Selects one of 7 types of parameters according to car type. (TYPE 1 ~ TYPE 7)
4. **BAND**: Selects the band to be adjusted. (1 ~ 4: 1 and 2 are for low frequencies, 3 and 4 for medium and high frequencies)
5. **FREQUENCY**: Selects the centre frequency for the adjustment. (1 and 2: 20Hz to 500Hz, 3 and 4: 630Hz to 20kHz)
6. **GAIN**: Adjusts the level. (-12dB ~ +12dB)
7. **Q**: Adjusts the sharpness of the frequency curve. (1, 3, 5, 7 and 20)
   * Parameters 2 to 7 cannot be adjusted when the "P.EQ F/R" parameter is turned off.
   * If the SHIFT button [8] is pressed while in the parametric equalizer adjustment mode, the parametric equalizer curve appears, so you can adjust the settings while looking at the curve. Press the DISP button again to return to the previous display.

<PINK NOISE>

Pink noise (adjustment sounds) can be emitted in the order shown below by pressing the SHIFT button [8] for more than two seconds while in the parametric equalizer adjustment mode.

Front → Rear → All → Off → Front

<SURROUND (only when the EQH5100 is connected)>

The surround effect can be turned on and off.
* For details on the adjustment items, see the DSP or equalizer manual.

*NOTES:*

When the DSP979E or 900SEQ is connected, the corresponding mode must be set.
<Setting the DSP mode>
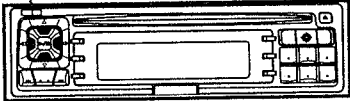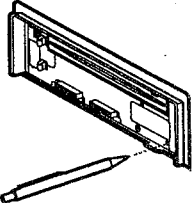1. Set the DSP unit's volume to the minimum and the DRX9175R's volume to the maximum.

22

2. Press direct button ⑨ number "2" while holding in the SHIFT button ⑧. "DSP connect" appears on the display, and the DSP mode is set.

3. To cancel the DSP mode, once again press direct button ⑨ number "2" while holding in the SHIFT button ⑧. "DSP no conn" appears on the display, and the DSP mode is canceled.

<Setting the equalizer mode>

1. Press direct button ⑨ number "3" while holding in the SHIFT button ⑧. "EQ connect" appears on the display, and the equalizer mode is set.

2. To cancel the equalizer mode, once again press direct button ⑨ number "3" while holding in the SHIFT button ⑧. "EQ no conn" appears on the display, and the equalizer mode is canceled.

   * For operations, refer to the DSP or equalizer's owner's guide.

# 5. TROUBLESHOOTING

| Problem | Cause | Solution |
|---|---|---|
| Power does not turn on. (No sound is produced.) | Fuse is blown. | Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase. |
| | Incorrect wiring. | Check the connections again and connect properly. |
| Compact disc cannot be loaded. | Another compact disc is already loaded. | Eject the compact disc before loading the new one. |
| Compact disc is immediately ejected. | Compact disc is upside-down. | Load the compact disc with the labeled side facing up. |
| Sound skips or is noisy. | Compact disc is dirty. | Clean the compact disc. |
| | Compact disc is heavily scratched or warped. | Replace with a non-scratched, non-warped compact disc. |
| Sound is bad directly after power is turned on. | Water droplets may form on the internal lens when the car is parked in a humid place. | Let dry for about 1 hour with the power on. |
| Nothing happens when buttons are pressed. Display is not accurate. | Microprocessor has malfunctioned due to noise, etc. | Turn off the power, then press the release button and remove the front panel. **Release button**  Press the reset button for about 2 seconds with a thin rod.  |
| | DCP or Main Unit connectors are dirty. | Wipe the dirt off with a soft cloth moistened with alcohol. |
| DSP or equalizer does not operate. | Microprocessor has malfunctioned due to noise, etc. | Press direct button 1 (for more than 2 seconds) while holding in the DSP button, then turn the power back on. |

24

# 6. ERROR DISPLAYS

If an error occurs, the type of error is displayed. Take the measures described below to eliminate the problem.

| Error display | Cause | Measure |
|---|---|---|
| CD ERRHHH | Displayed when CD deck's temperature is too high and playback is stopped automatically. | Lower the surrounding temperature and wait a while for the CD deck's temperature to decrease. |
| CD ERROR3 | Displayed when disc cannot be played due to scratches, etc. | Replace with a non-scratched, non-warped-disc. |
| CDAC ERRHHH | Displayed when CD's temperature is too high and playback is stopped automatically. | Lower the surrounding temperature and wait a while for the CD's temperature to decrease. |
| CDAC ERROR3 | Displayed when disc cannot be played due to scratches, etc. | Replace with a non-scratched, non-warped disc. |
| CDAC ERROR6 | Displayed when disc cannot be played because it is loaded upside-down. | Eject the disc then reload it properly. |
| MD ERROR3 | Displayed when MD cannot be played due to scratches, etc. | Replace with a non-scratched disc. |
| EQ ERROR99 | Communication error between main unit and DSP. | Turn the power on and off repeatedly. |

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

English

# 7. SPECIFICATIONS

## Radio Section

Tuning System......PLL synthesizer tuner
Receiving Frequencies......
     FM: 87.5 to 108 MHz (0.05 MHz steps)
     MW: 531 to 1,602 kHz (9 kHz steps)
     LW: 153 to 279 kHz (1 kHz steps)

## CD Player Section

System......Compact Disc Audio
Sampling Frequency......44.1 kHz
Oversampling......8 times
Converters
     ......Dual 1-bit Digital/Analog converters
Frequency Response
     ......5 to 20,000 Hz ($\pm1$ dB)
Dynamic Range......95 dB (1 kHz)
S/N Ratio......100 dB (1 kHz) IHF-A
Wow & Flutter......Below measurement range
Distortion......0.012%

## General

Power Supply Voltage
     ......DC 14 V (10.8 to 15.6 V allowable),
        negative ground
Power Consumption......Less than 3 A
Auto Antenna Rated Current......350 mA or less
Weight......1.6 kg
Dimensions......178 (W) x 50 (H) x 152 (D) mm

152mm    178mm    50mm
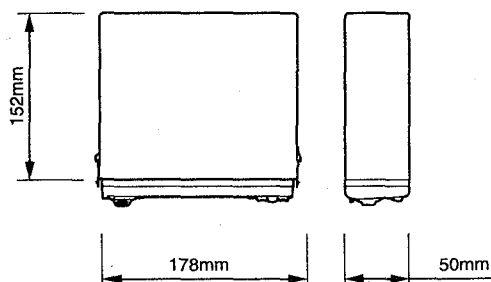
*Note:*

* Short-circuiting the power antenna terminal or using a power antenna with a current exceeding the rated current can damage internal circuits. Always use with the rated current.
* Specifications and design are subject to change without notice for further improvement.

26